

Fig. 1

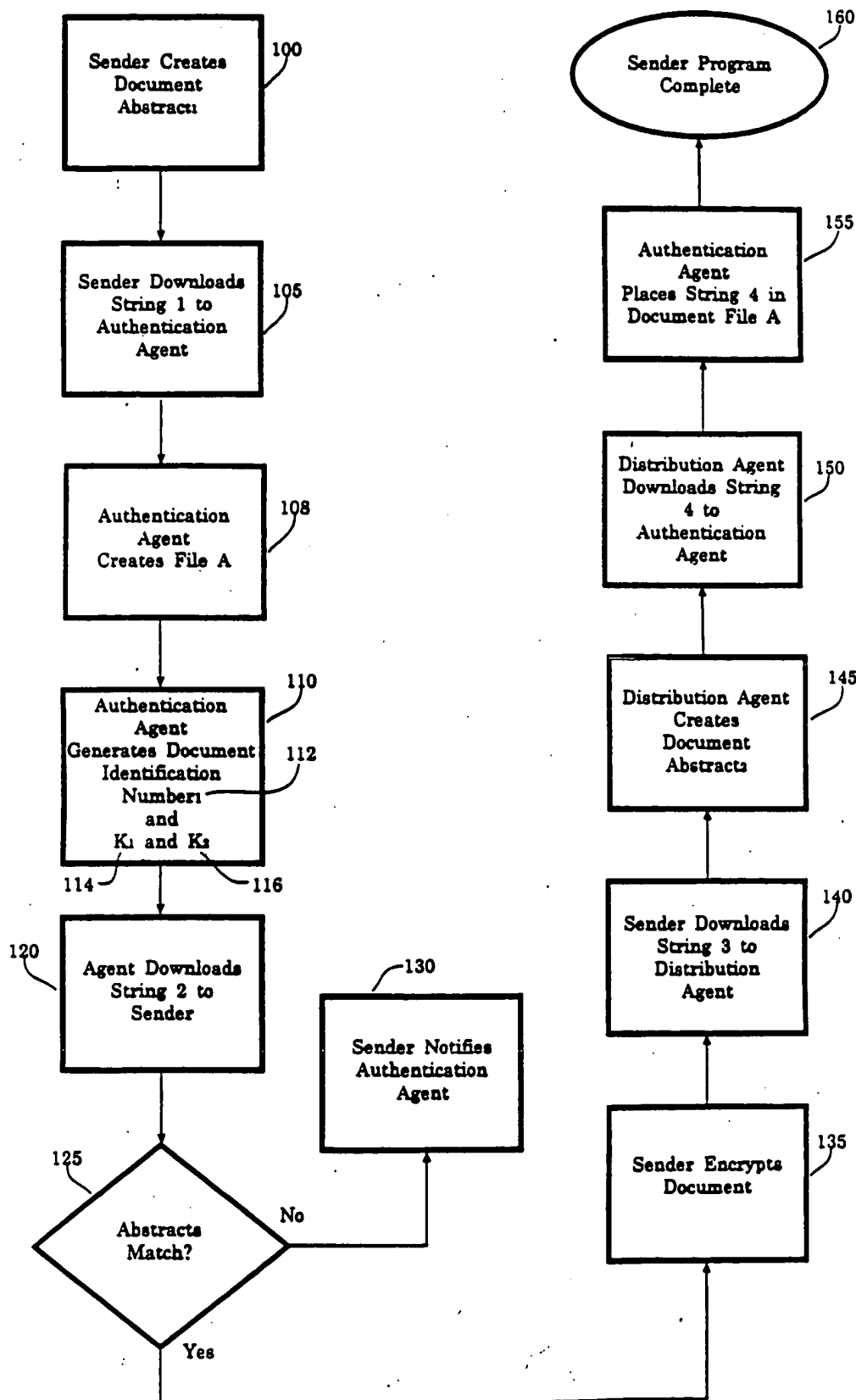


Fig. 2

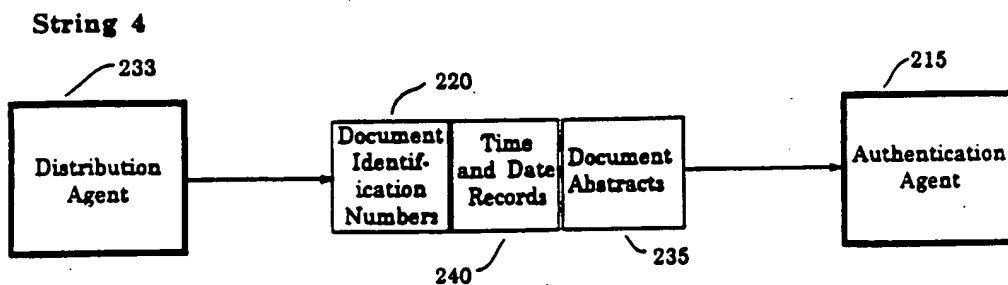
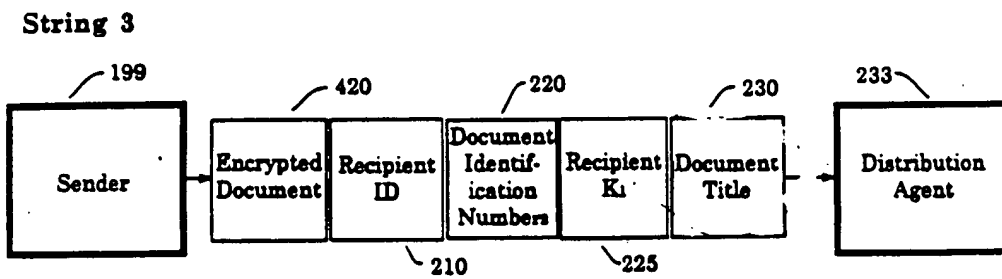
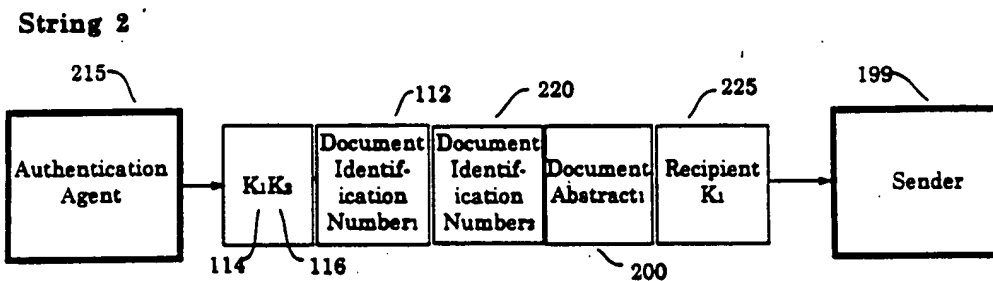
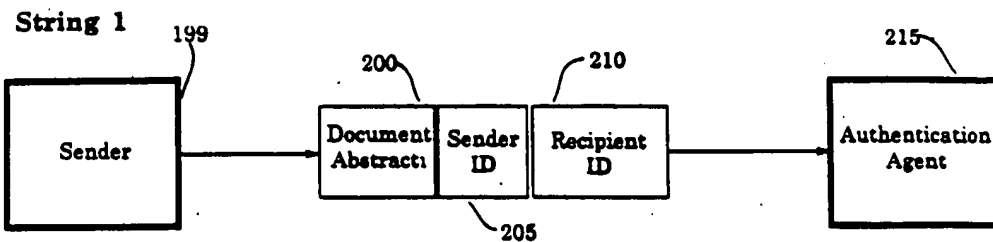


Fig. 3

File A

112	200	210	205
Document Identification Number	Document Abstract	Recipient ID	Sender ID
K ₁ K ₂	Sender and Recipient Public Keys	Time and Date Record	
114	116	300	305

File B

Document Identification Number	Document Abstract	Recipient ID	Sender ID
K ₁ K ₂	Sender and Recipient Public Keys	Time and Date Record	Document Abstracts
Time and Date Records	235		240

Fig. 4

ACE INC.
For Superior
Service

August 6, 1988

Mr. Charles Burch
ACME Corporation
114 South Drive
Anytown, NY 00001

Dear Mr. Burch:

As per our telephone conversation yesterday, ACE Insurance to pay \$40.00 per 50 gallon drum of year 1-67 roofing under, provided ACME Corporation ships 200 50 gallon drums of the under to our warehouse in Gold Springs Falls. The aforementioned drums of under are to arrive at our warehouse no later than 10/14/88.

Very truly yours,

Catherine Clark

Document 1

ACE INC.
For Superior
Service

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Anytown, NY 00001

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Document 2

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Document 3

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Very truly yours,

Catherine Clark

Document 4

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Or

Document 5

2025 RELEASE UNDER E.O. 14176

Fig. 5

500 Recipient
Notified
of the Presence
of Authenticated
Document

505 Recipient
Requests
Authenticated
Document From
Distribution
Agent

510 Distribution
Agent
Downloads
String 5
to Recipient

515 Distribution
Agent
Downloads
String 6 to
Authentication
Agent

520 Recipient Uses
 K_1 to Decrypt
Header

525 Recipient
Wants
Second
Key?

530 Exit Program

535 Recipient
Downloads
String 7 to
Authentication
Agent

540 Authentication
Agent Uses
Document
Identification
Numbers to
Access Correct File

545 Authentication
Agent
Downloads
String 8
to Recipient

550 Recipient
Decrypts
Document Body
With K_2

555 Recipient
Creates
Document
Abstracts

560 Abstract₁
Equal to
Abstracts?

562 Program
Displays
Warning Notice
to Recipient

565 Recipient
Notifies
Authentication
Agent

570 Plaintext
is
Displayed

575 Recipient
Downloads
String 9 to
Authentication
Agent

585 Abstract₁
Equal to
Abstracts?

596 Place Time and
Dates and
Abstracts in
File E

597 Authentication
Agent
Downloads
String 10 to
Sender

598 Agent Places
Time and Date
Records in
File F

601 Exit Program

590 Authentication
Agent Notifies
Recipient

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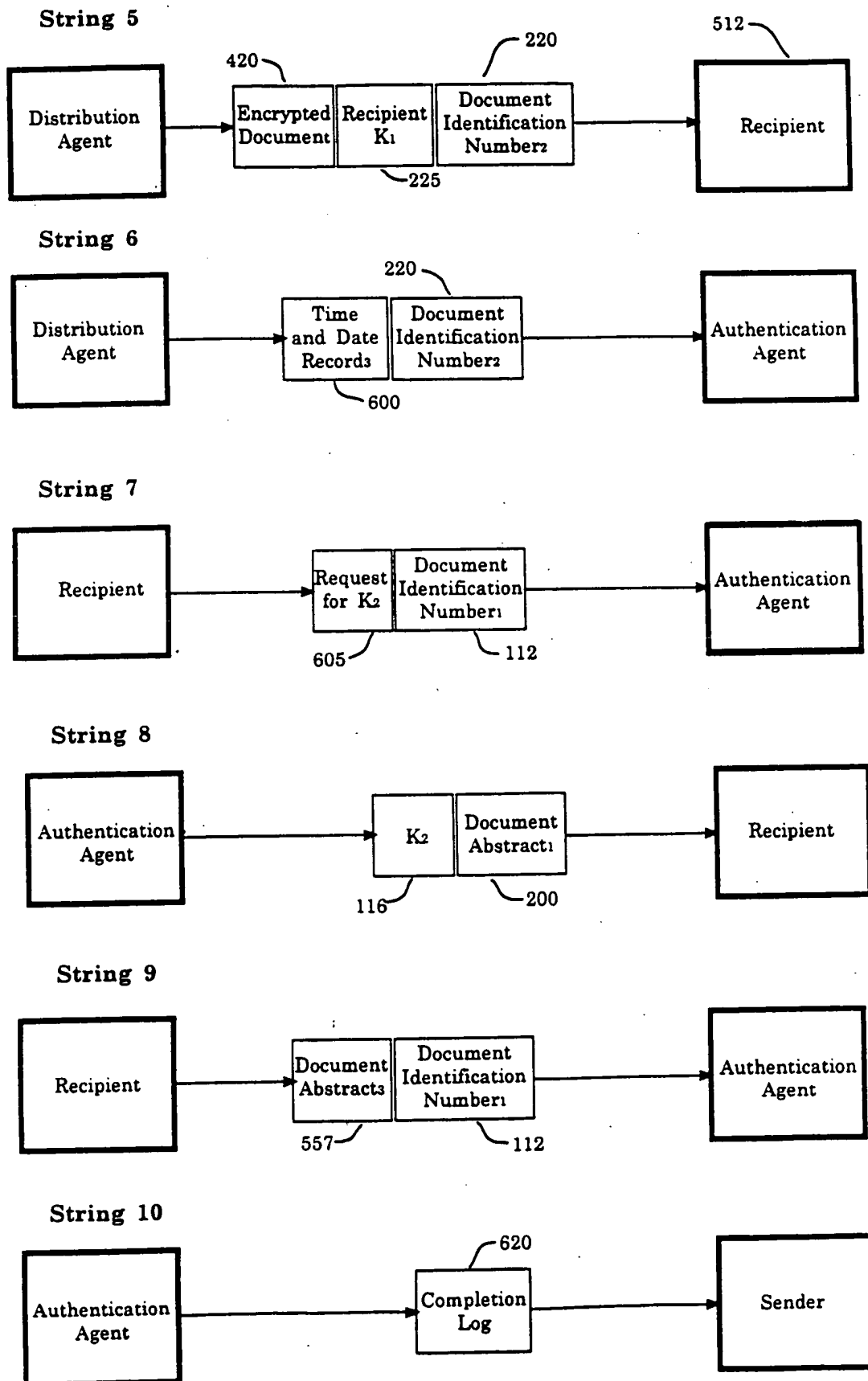
Fig. 6

Fig. 7**File C**

Document Identification Number ₁	Document Abstract ₁	Recipient ID	Sender ID
K ₁ K ₂	Sender and Recipient Public Keys	Time and Date Record ₁	Document Abstracts
Time and Date Record ₂	Time and Date Records	600	

File D

Document Identification Number ₁	Document Abstract ₁	Recipient ID	Sender ID
K ₁ K ₂	Sender and Recipient Public Keys	Time and Date Record ₁	Document Abstracts
Time and Date Record ₂	Time and Date Records	Time and Date Record ₄	700

Fig. 8**File E**

200

Document Identification Number	Document Abstract	Recipient ID	Sender ID
K_1 K_2	Sender and Recipient Public Keys	Time and Date Records	Document Abstracts
Time and Date Records	Time and Date Records	Time and Date Records	Time and Date Records
Document Abstracts			

557

705

File F

Document Identification Number	Document Abstract	Recipient ID	Sender ID
K_1 K_2	Sender and Recipient Public Keys	Time and Date Records	Document Abstracts
Time and Date Records	Time and Date Records	Time and Date Records	Time and Date Records
Document Abstracts	Time and Date Records		

710

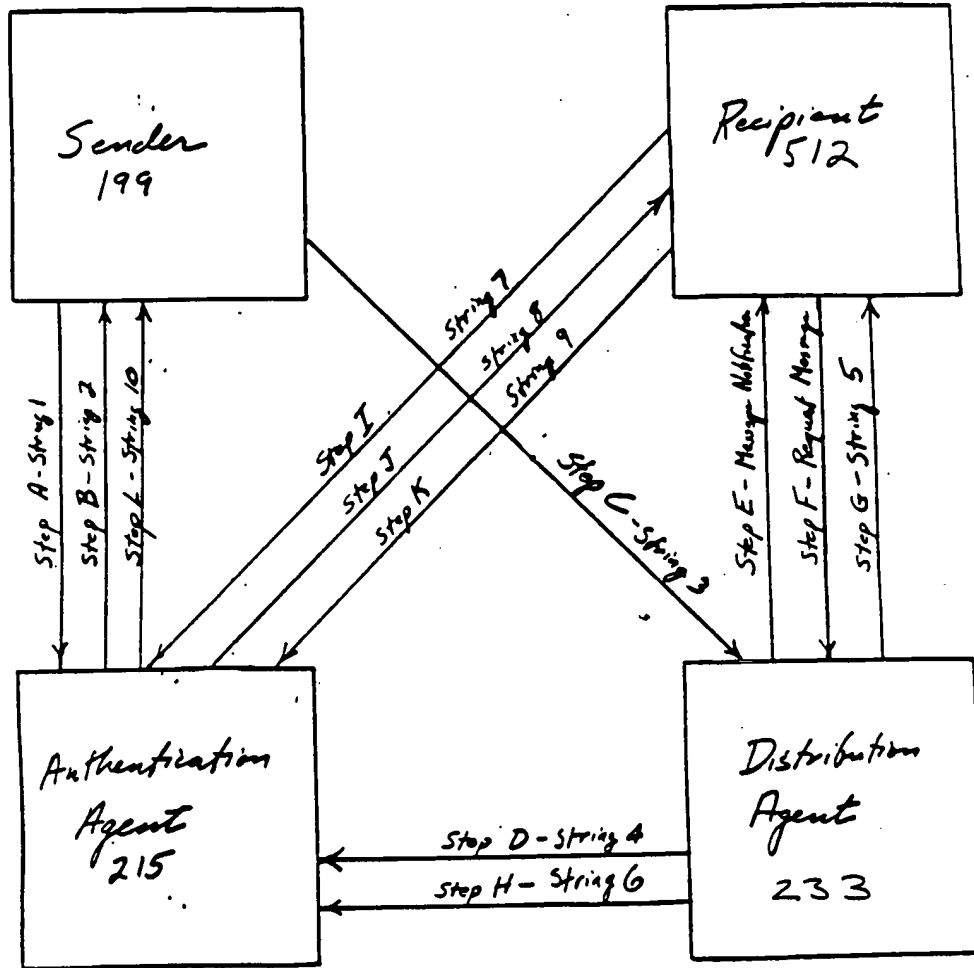


Figure 9